



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

DATE: September 14, 2017

TO: Karen E. Collette, P.E.
Division Engineer

FROM: Christopher Kreider, P.E.

Eastern Regional Geotechnical Manager

DocuSigned by:
Chris Kreider
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9/15/2017

STATE PROJECT: 40238.1.4 (U-4902D)
F.A. NUMBER.: NHS-0017(76)
COUNTY: New Hanover

DESCRIPTION: US 17 Business (Market Street) from Lendire Road to Marsh
Oaks Drive

SUBJECT: Geotechnical Report Addendum – Rock Plating
Recommendations

Per Division's request, the Geotechnical Engineering Unit has reviewed the roadway plans and cross-sections for the proposed rock plated slopes listed below and provides the following recommendations.

<u>Line</u>	<u>Station(±)</u>	<u>Location</u>
-L-	270+75 ± to 278+75 ±	RT

Use the Standard Rock Plating detail No. 1 of the Standard Drawing No. 1802.01 as shown on the Roadway plans. The estimated quantity for rock plating is 1600 square yards. Rock Plating is outlined in the Section 275 of the 2012 Standard Specifications. The following note should be added to the Roadway Plans:

“USE ROCK PLATING DETAIL NO. 1 AT -L- STA 270+75± TO -L- STA 278+75±, RIGHT. EXTEND ROCK PLATING LIMITS TO 2.75:1 (H:V) SLOPES. SEE STANDARD ROCK PLATING DETAIL.”

Mailing Address:
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Location:
GEOTECHNICAL ENGINEERING UNIT
EASTERN REGIONAL OFFICE
3301 JONES SAUSAGE ROAD, SUITE 100,
GARNER, NC 27529

Summary of Rock Plating Table

Line	Beginning Slope	Approx. Station	Ending Slope	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class 1/2/B	SY
-L-	2.75:1	270+75 ±	2.75:1	278+75 ±	RT	1	*	1600

* Use Riprap Class B, 1 or 2.

If you have any questions concerning this memorandum, please contact Majid Khazaei, P.E. or Chris Kreider, P.E. at 919-662-4710.

Prepared by,



9/15/2017

Majid Khazaei, P.E.

Geotechnical Design Engineer

DocuSigned by:

Majid Khazaei

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CAK/MK